

What is Claimed is:

1. A drapable transfer display film comprised of a plurality of stacked layers that are prepared on, cured and lifted from a release surface and then transferred to a drapable substrate, wherein said plurality of stacked layers comprise at least one liquid crystal layer and at least one electrically conductive layer near said liquid crystal layer.
2. The drapable transfer display film of claim 1 comprising an adhesive layer for adhering said plurality of layers to said substrate.
3. The drapable transfer display film of claim 1 comprising a preparation layer adapted to bond said plurality of layers to an adhesive.
4. A liquid crystal display comprising said drapable transfer display film and said substrate of claim 1 having a drape coefficient less than 100%.
5. The display of claim 4 having a drape coefficient less than about 98%.
6. The display of claim 4 having a drape coefficient less than about 95%.
7. The drapable transfer display film of claim 1 comprising a casting layer applied on or near the release surface on which other said layers of the display are prepared, said casting layer

being selected from the group consisting of a preparation layer, the at least one said electrically conductive layer, an adhesive layer, a planarization layer, the at least one said liquid crystal layer, an isolation layer and combinations thereof.

8. The drapable transfer display film of claim 1 wherein said plurality of stacked layers are stacked in a sequence comprising a casting layer, a first said electrically conductive layer, said liquid crystal layer, and a second said electrically conductive layer.
9. The drapable transfer display film of claim 8 wherein at least one of said first and second electrically conductive layers comprises a transparent electrical conductor formed of a conductive polymer or carbon nanotube material.
10. The drapable transfer display film of claim 8 comprising an electrical insulation layer located between said first electrically conductive layer and said liquid crystal layer.
11. The drapable transfer display film of claim 8 comprising an electrical insulation layer between said liquid crystal layer and said second electrically conductive layer.
12. The drapable transfer display film of claim 1 wherein said liquid crystal layer comprises a dispersion of liquid crystal in a polymer matrix.
13. The drapable transfer display film of claim 8 wherein said liquid crystal layer comprises a dispersion of liquid crystal in a polymer matrix.

14. The drapable transfer display film of claim 12 wherein said dispersion is at least one of an emulsion and microencapsulated liquid crystal material.
15. The drapable transfer display film of claim 1 wherein said liquid crystal comprises cholesteric liquid crystal exhibiting planar and focal conic textures that are stable in an absence of an electric field.
16. The drapable transfer display film of claim 8 wherein said liquid crystal layer comprises cholesteric liquid crystal exhibiting planar and focal conic textures that are stable in an absence of an electric field.
17. The drapable transfer display film of claim 8 comprising an optical layer located between said casting layer and said liquid crystal layer, said optical layer being adapted to match indices of refraction of adjacent said layers.
18. The drapable transfer display film of claim 8 comprising a light absorbing layer located between said casting layer and said liquid crystal layer.
19. The drapable transfer display film of claim 8 wherein said casting layer absorbs light.
20. The drapable transfer display film of claim 8 comprising a protective layer located over the second electrically conductive layer that provides strength to said transfer display film.

21. A liquid crystal display comprising the drapable transfer display film of claim 20 wherein said protective layer is optically clear, further comprising said drapable substrate attached to the transfer display film near said casting layer.
22. A liquid crystal display comprising the drapable transfer display film of claim 20 where said protective layer is optically opaque, further comprising said drapable substrate attached to the transfer display film near said protective layer.
23. The drapable transfer display film of claim 1 wherein the at least one said liquid crystal layer comprises at least one cholesteric liquid crystal dispersion layer reflective of visible or infrared electromagnetic radiation.
24. The drapable transfer display film of claim 23 wherein each said liquid crystal dispersion layer is reflective of a different wavelength of electromagnetic radiation.
25. The drapable transfer display film of claim 1 wherein the at least one said electrical conductive layer comprises a transparent electrical conductor located between adjacent said dispersion layers.
26. The drapable transfer display film of claim 23 wherein one said dispersion layer comprises left and right hand twist cholesteric materials, separated to prevent mixing.
27. The drapable transfer display film of claim 26 wherein said one dispersion layer comprises one sublayer including said left hand

twist cholesteric material and another sublayer comprising said right hand twist cholesteric material.

28. The drapable transfer display film of claim 23 wherein the at least one said dispersion layer comprises one said dispersion layer reflective of red light, another said dispersion layer reflective of blue light and another said dispersion layer reflective of green light.
29. The drapable transfer display film of claim 1 wherein the at least one said liquid crystal layer comprises three generally coplanar and separated regions, a first said region comprising a plurality of droplets which contain cholesteric liquid crystal having a pitch length effective to reflect red light, a second said region comprising a plurality of droplets which contain cholesteric liquid crystal having a pitch length effective to reflect green light, and a third said region comprising a plurality of droplets which contain cholesteric liquid crystal having a pitch length effective to reflect blue light.
30. A liquid crystal display device comprising the drapable transfer display film and said drapable substrate of claim 1 and drive electronics that can electrically address said liquid crystal layer by applying an electric field between said electrically conductive layers effective to produce images from the display film.
31. A liquid crystal display device comprising the drapable transfer display film and said drapable substrate of claim 1, and means for electrically addressing said liquid crystal layer between said electrically conductive layers to produce images from said liquid crystal layer.

32. A liquid crystal display device comprising the drapable transfer display film and the drapable substrate of claim 1, wherein said substrate comprises at least one electrically conductive layer, further comprising drive electronics for electrically addressing said liquid crystal layer between said at least one electrically conductive layer of the transfer display film and said at least one electrically conductive layer of said substrate effective to produce images from said liquid crystal layer.
33. A liquid crystal display device according to claim 32, wherein the at least one said electrically conductive layer of said transfer display film and the at least one said electrically conductive layer of said substrate contains parallel lines of row conductors and the other of the at least one said electrically conductive layer of said transfer display film and the at least one said electrically conductive layer of said substrate contains parallel lines of column conductors, said lines of row conductors being arranged orthogonal to said lines of column conductors.
34. A liquid crystal display device comprising the drapable transfer display film and said drapable substrate of claim 8, wherein one of said first and second electrically conductive layers contains parallel lines of row conductors and the other of said first and second electrically conductive layers contains parallel lines of column conductors, said lines of row conductors being arranged orthogonal to said lines of column conductors.
35. A liquid crystal display device comprising the drapable transfer display film and drapable substrate of claim 1 wherein said drapable substrate is selected from the group consisting of a

textile fabricated from natural or synthetic fibers, a sheet of polymeric material or paper, and combinations thereof.